

**AMENDMENTS TO THE SPECIFICATION:**

Please amend the title as follow:

PCI Radiation Image Processing Apparatus, ~~PCI Radiation Image-  
Detecting Apparatus, PCI Radiation Image Outputting Apparatus, and PCI Image-  
Diagnosis Support Apparatus~~

Please amend the paragraph on page 27 beginning with "First, described"  
as follows:

First, described are ~~[[the]]~~ embodiments of the phase contrast  
radiographic image processing apparatus, as well as the phase contrast radiographic  
image detection processing apparatus ~~described in claims 1 through 32.~~

Please amend the paragraph on page 58 beginning with "The  
embodiments" as follows:

~~The embodiments~~ Embodiments of the phase contrast radiographic image  
processing apparatus ~~described in claims 33 through 39~~ will now be described.

Please amend the paragraph on page 69 beginning with "The  
embodiments" as follows:

~~The embodiments~~ Embodiments of the phase contrast radiographic image  
processing apparatus ~~described in claims 40 through 45~~ will now be described.

Please amend the paragraph on page 71 beginning with "The  
embodiments" as follows:

~~The embodiments~~ Embodiments of the phase contrast radiographic image  
processing apparatus ~~described in claims 46 through 51~~ will now be described.

Please amend the paragraph on page 72 beginning with "Further, employed" as follows:

Further, employed as output means may be ones which are the same as those described in the embodiments of the phase contrast radiographic image processing apparatus, as well as the phase contrast radiographic image detection processing apparatus, described earlier ~~in the aforementioned claims 1 through 32.~~

Please amend the paragraph on page 72 beginning with "Image output" as follows:

Image output, ~~as described in the aforementioned claims 46 through 51~~ means that images are printed out onto sheets of film or paper, and the like, but does not mean that images are displayed on CRT, and the like.

Please amend the paragraph on page 77 beginning with "The embodiments" as follows:

~~The embodiments~~ Embodiments of the phase contrast radiographic image diagnostic supporting apparatus ~~described in claims 52 and 53~~ will now be described.

Please amend the paragraph on page 111 beginning with "The embodiment" as follows:

~~[[The]]~~ An embodiment of the phase contrast radiographic image diagnosis supporting apparatus ~~described in claims 54 and 61~~ will now be described.

Please amend the paragraph on page 112 beginning with "The embodiment" as follows:

[[The]] An embodiment of the phase contrast radiographic image diagnosis supporting apparatus ~~described in claims 62 and 68~~ will now be described.